

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009293.D
 Acq On : 02 May 2019 23:07
 Operator : JC/SP
 Sample : K2660-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0512-190429

Quant Time: May 03 02:47:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

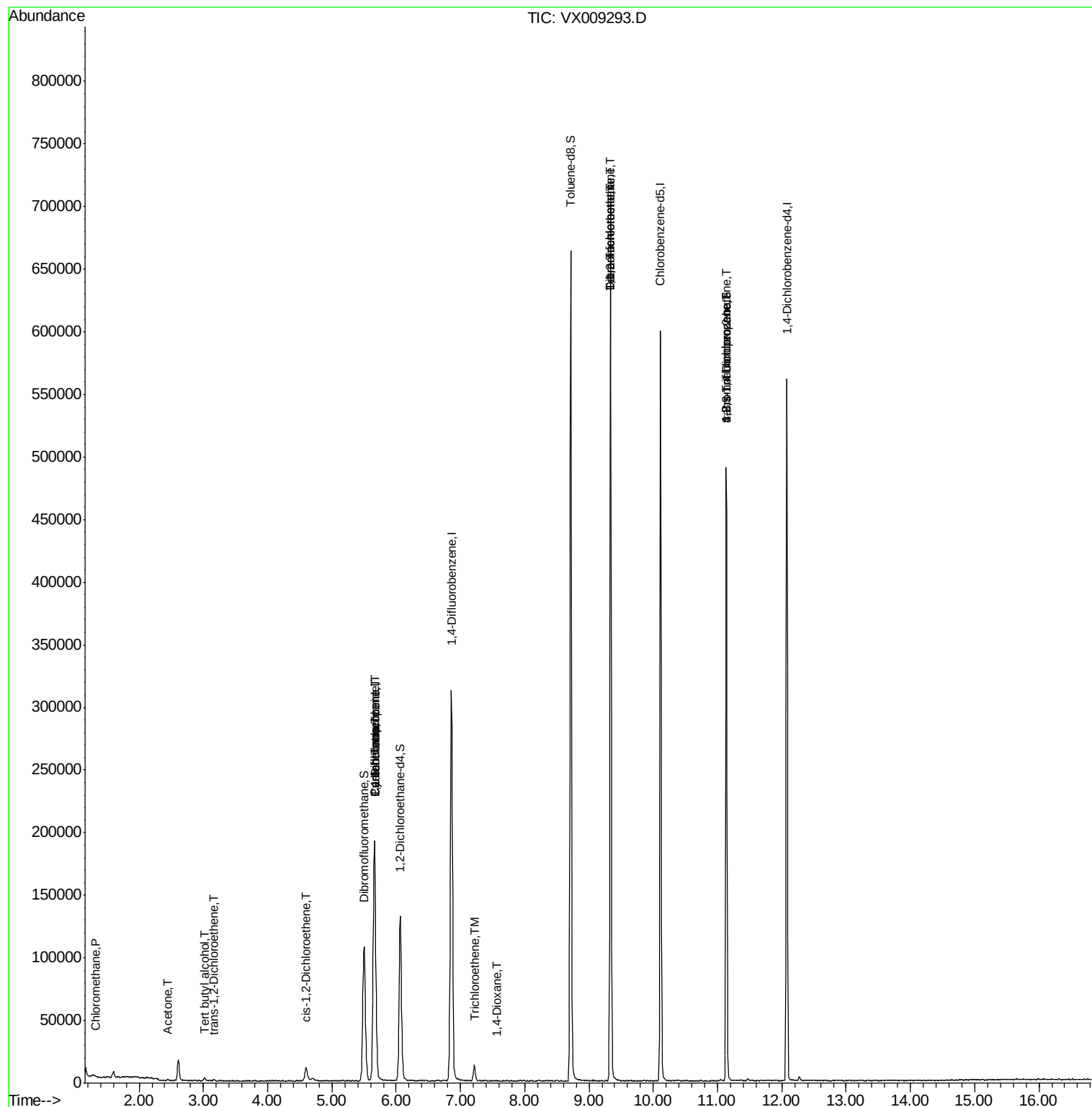
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	189215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115201	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	125996	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
35) Dibromofluoromethane	5.50	113	92365	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
50) Toluene-d8	8.71	98	383318	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	128718	45.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.24%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	506	0.213	ug/l #	55
11) Tert butyl alcohol	3.01	59	1510	2.525	ug/l #	77
16) Acetone	2.45	43	1372	0.989	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	395	0.205	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	6913	3.008	ug/l	84
28) Bromochloromethane	5.02	49	71	Below Cal	#	20
31) Cyclohexane	5.66	56	4144	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14664	5.158	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17788	6.886	ug/l #	15
44) Trichloroethene	7.22	130	4556	2.142	ug/l	96
49) 1,4-Dioxane	7.57	88	22	0.345	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	1291	0.592	ug/l #	1
60) Dibromochloromethane	9.34	129	126797	59.494	ug/l #	11
64) Tetrachloroethene	9.34	164	136727	74.583	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	65322	24.445	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65322	62.545	ug/l #	11

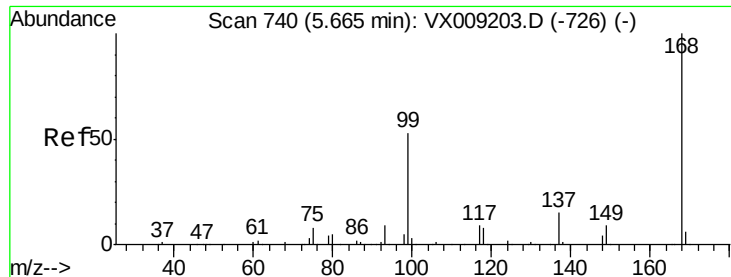
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

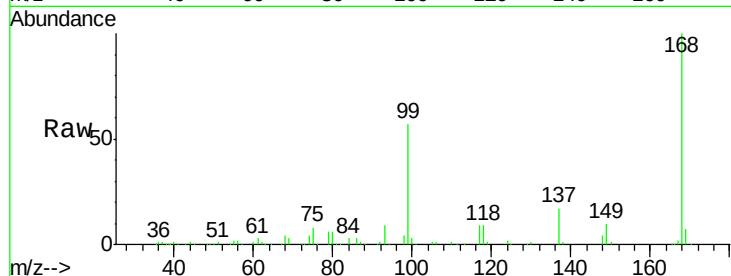
DUP-0512-190429

Tot Ion:168 Resp: 189215

Ion Ratio Lower Upper

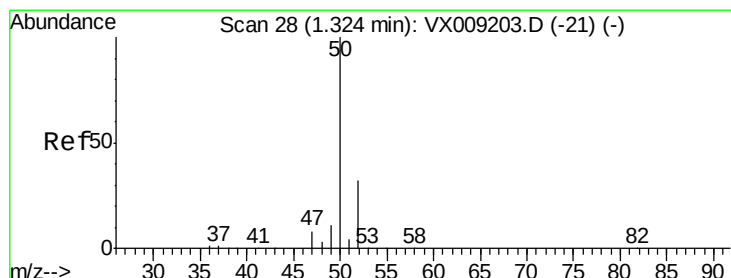
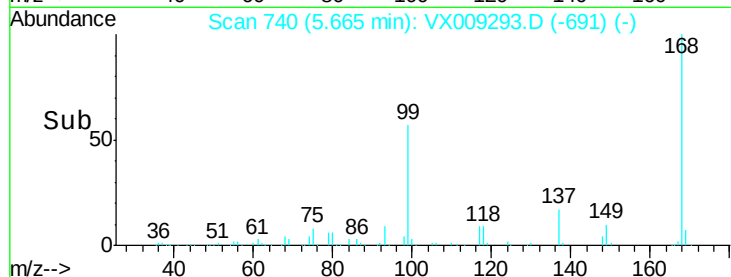
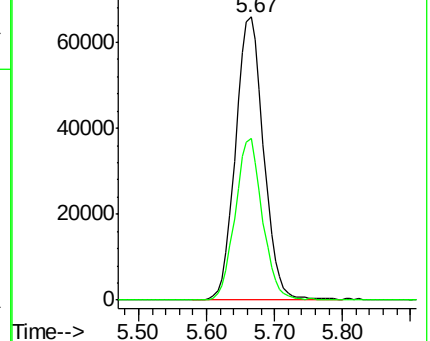
168 100

99 57.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009293.D

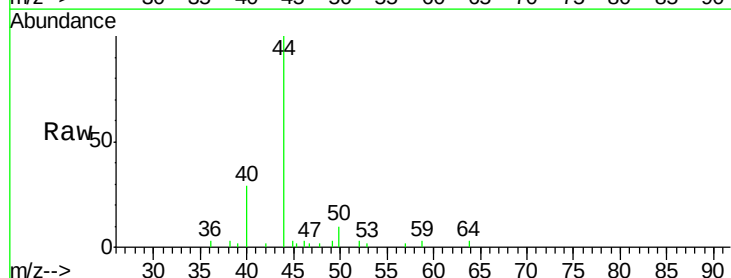
Acq: 02 May 2019 23:07

Tgt Ion: 50 Resp: 506

Ion Ratio Lower Upper

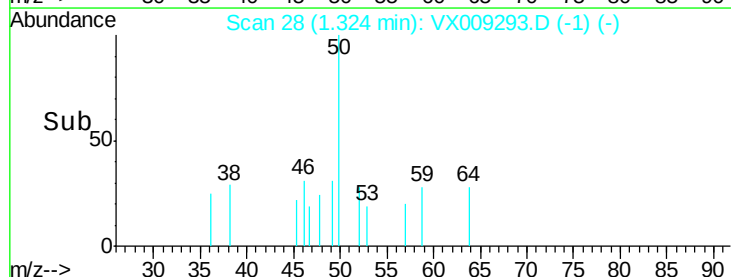
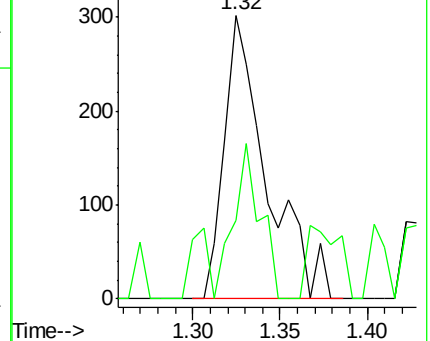
50 100

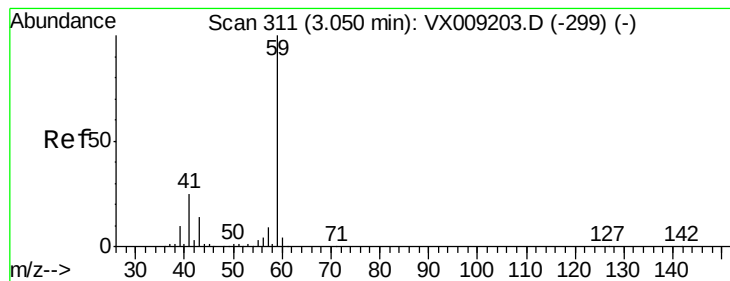
52 7.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#11

Tert butyl alcohol

Concen: 2.525 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

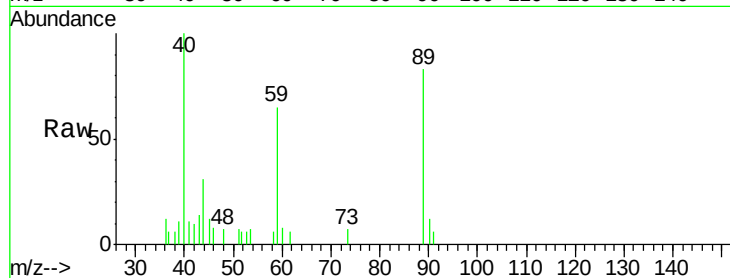
DUP-0512-190429

Tot Ion: 59 Resp: 1510

Ion Ratio Lower Upper

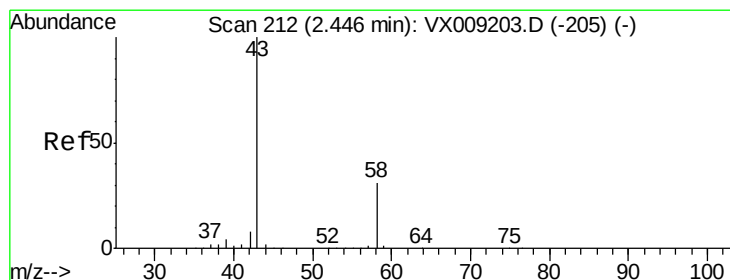
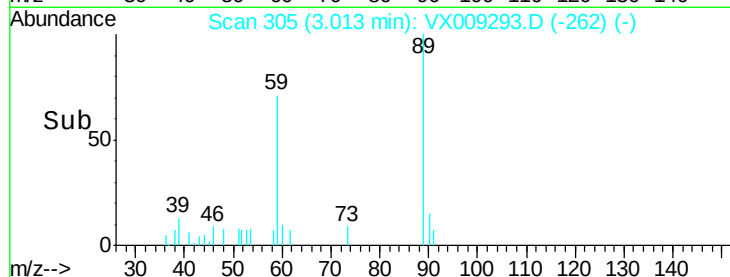
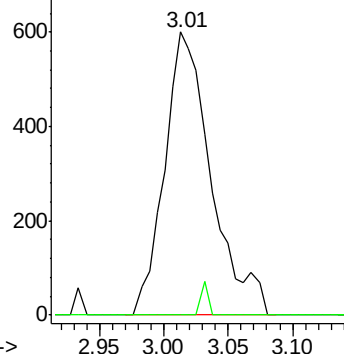
59 100

57 1.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 0.989 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009293.D

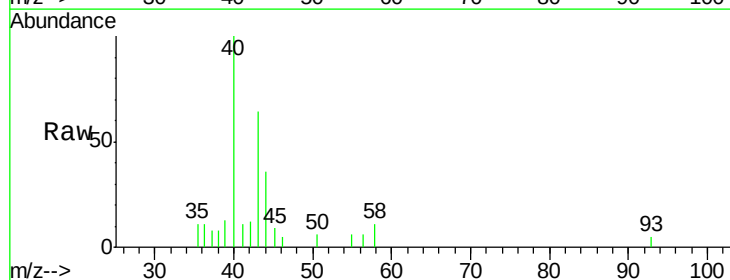
Acq: 02 May 2019 23:07

Tgt Ion: 43 Resp: 1372

Ion Ratio Lower Upper

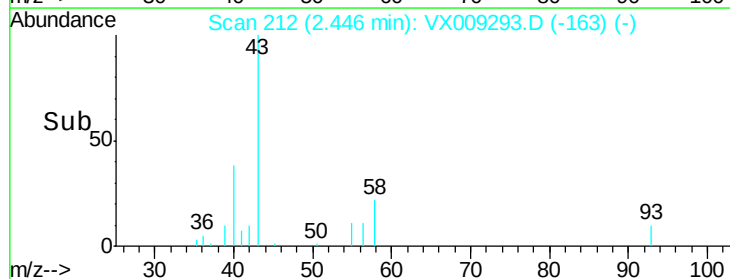
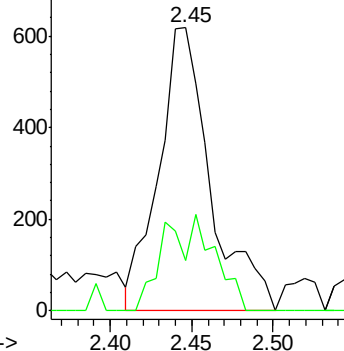
43 100

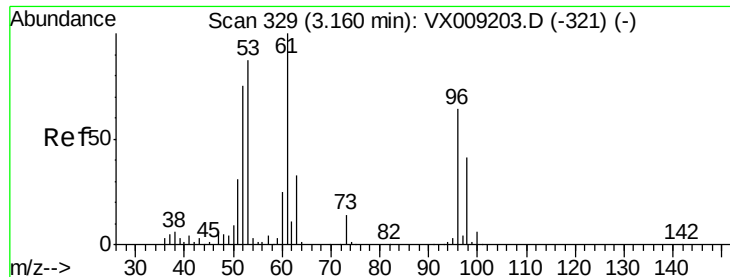
58 18.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0512-190429

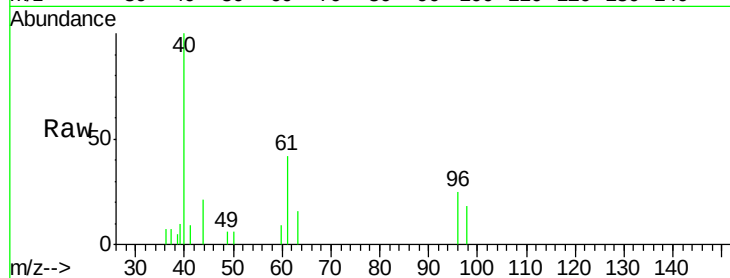
Tot Ion: 96 Resp: 395

Ion Ratio Lower Upper

96 100

61 167.3 124.5 186.7

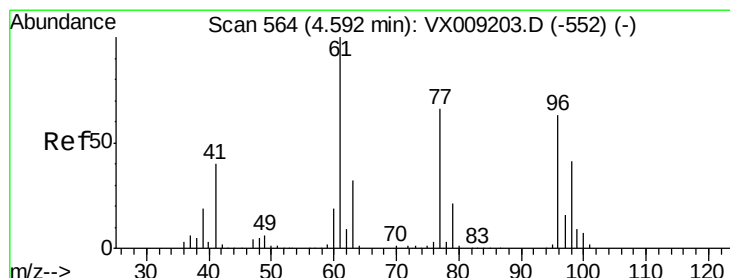
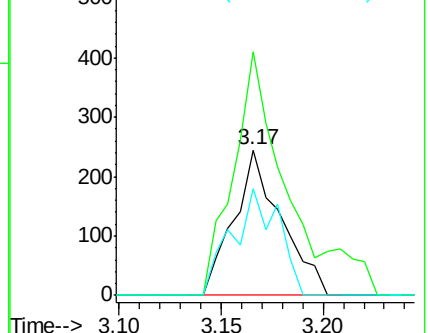
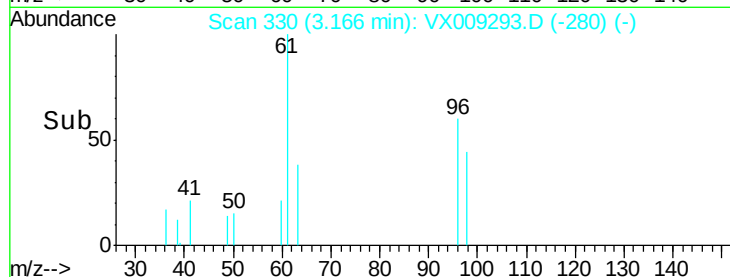
98 73.5 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.008 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

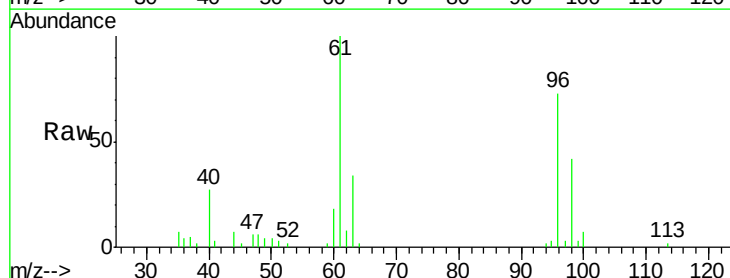
Tgt Ion: 96 Resp: 6913

Ion Ratio Lower Upper

96 100

61 134.4 0.0 324.0

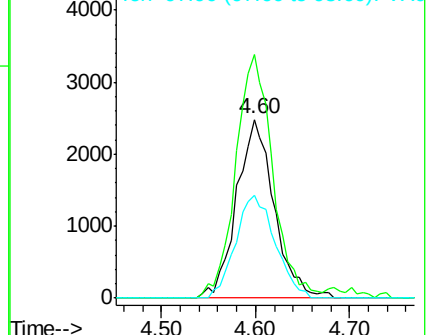
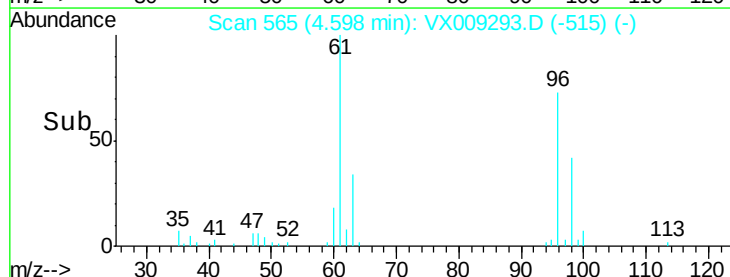
98 60.6 0.0 130.4

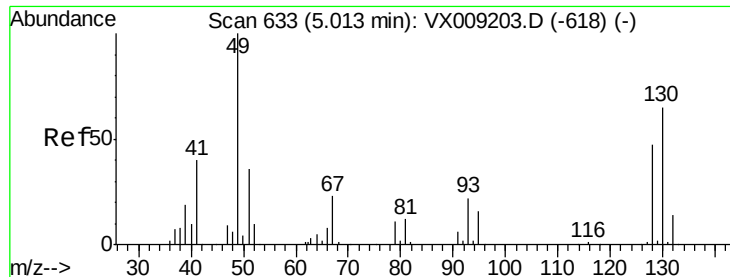


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0512-190429

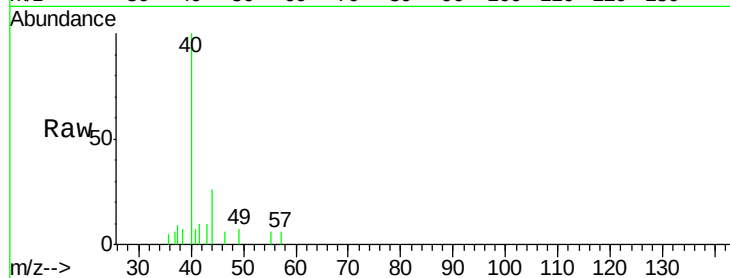
Tot Ion: 49 Resp: 71

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

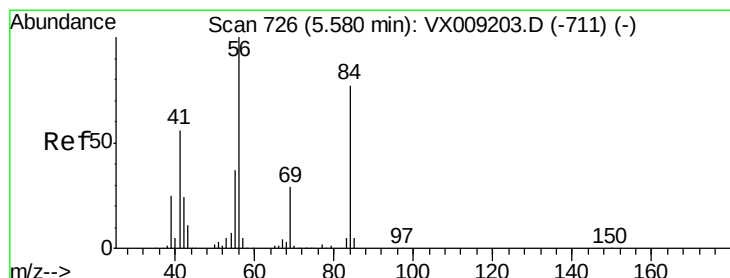
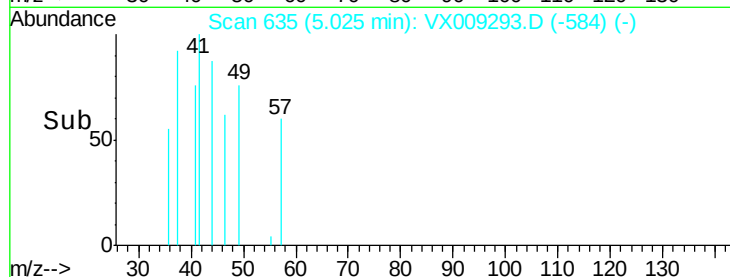
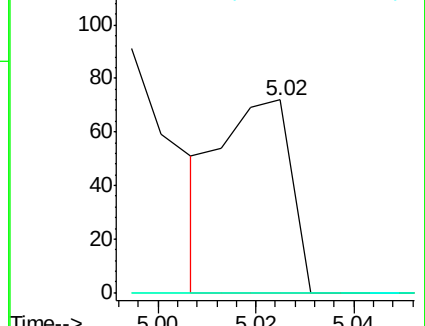
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

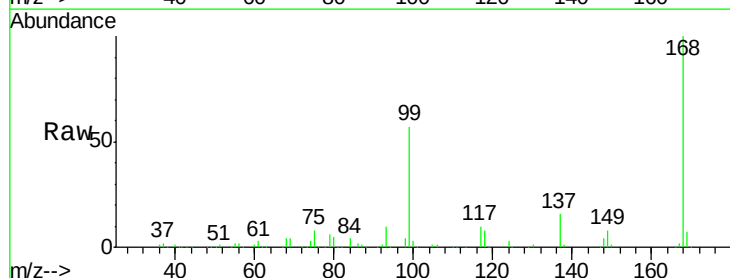
Tgt Ion: 56 Resp: 4144

Ion Ratio Lower Upper

56 100

69 173.1 23.4 35.0#

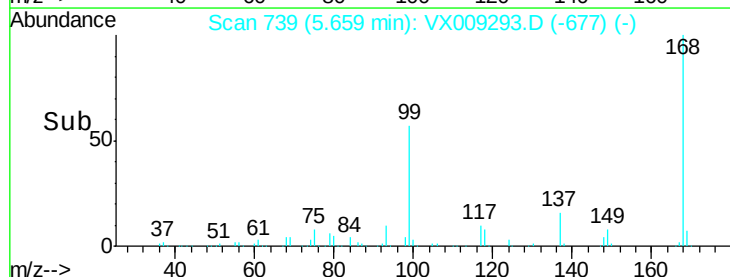
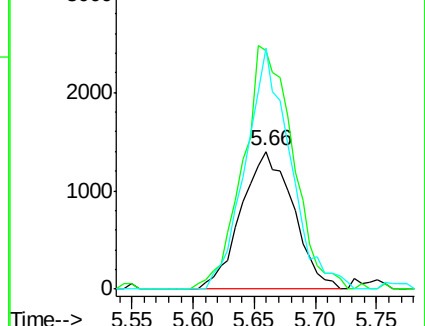
84 174.6 61.9 92.9#

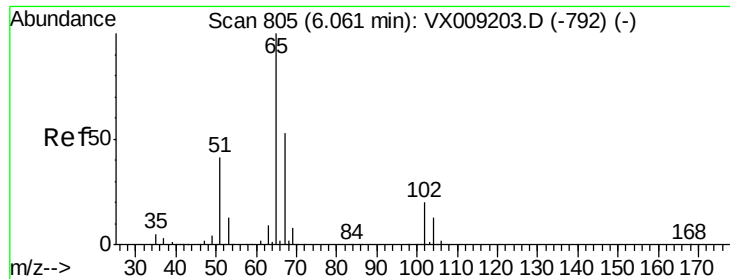


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

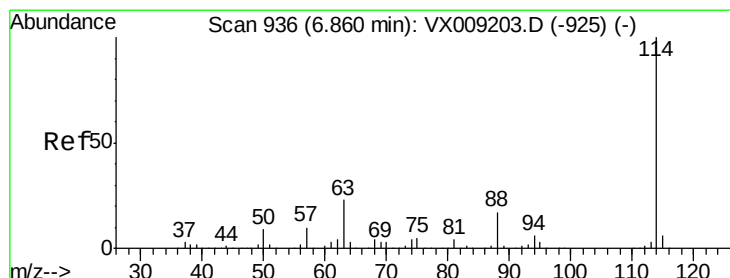
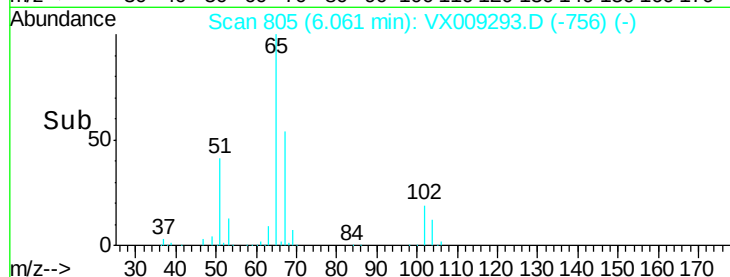
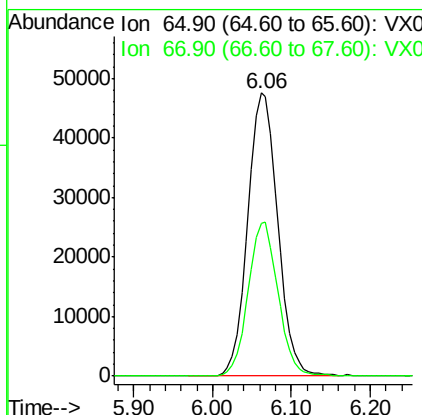
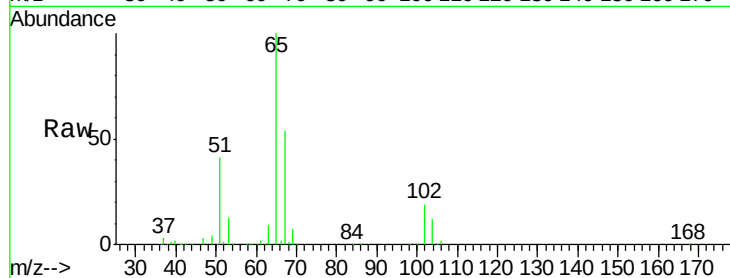




#33
 1,2-Dichloroethane-d4
 Concen: 48.779 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009293.D
 Acq: 02 May 2019 23:07

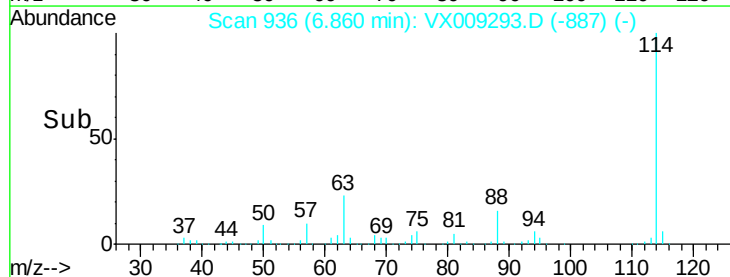
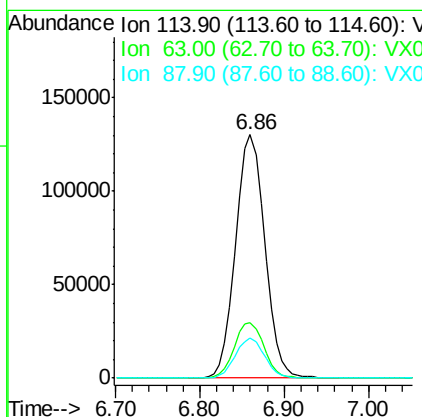
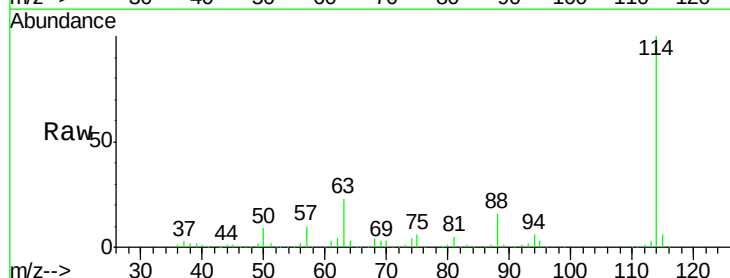
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0512-190429

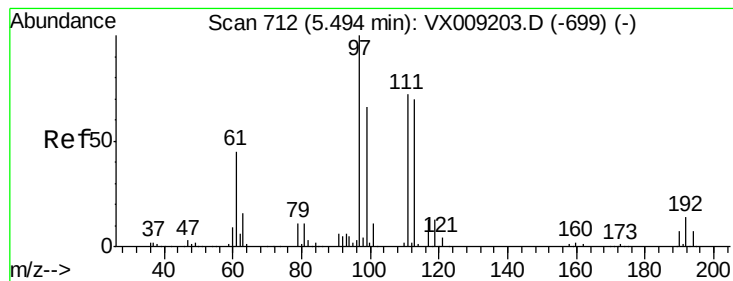
Tot Ion: 65 Resp: 125996
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009293.D
 Acq: 02 May 2019 23:07

Tgt Ion: 114 Resp: 305940
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.025 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0512-190429

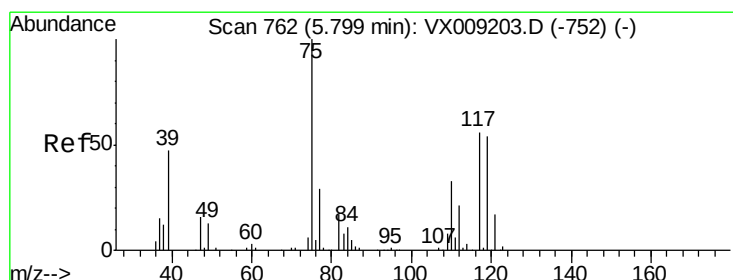
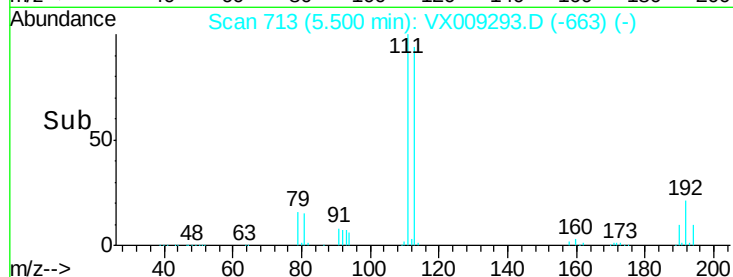
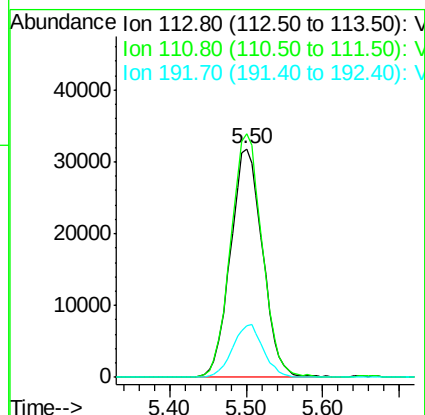
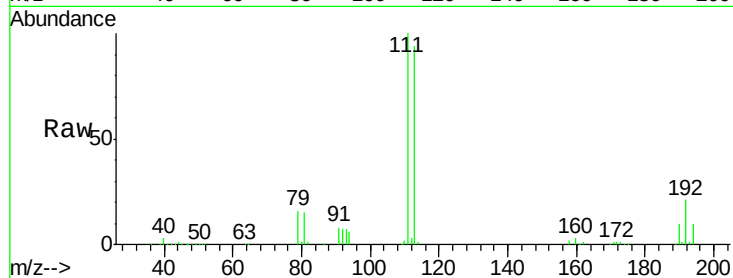
Tot Ion:113 Resp: 92365

Ion Ratio Lower Upper

113 100

111 104.9 82.8 124.2

192 22.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

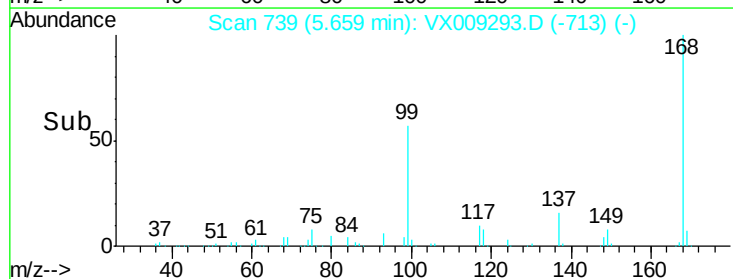
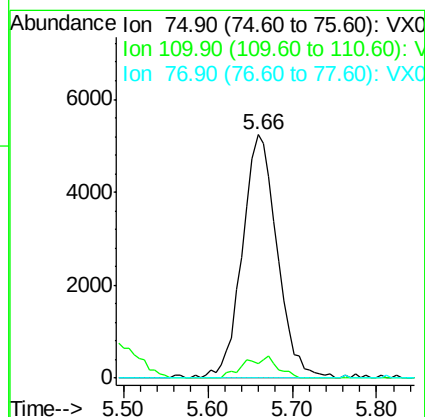
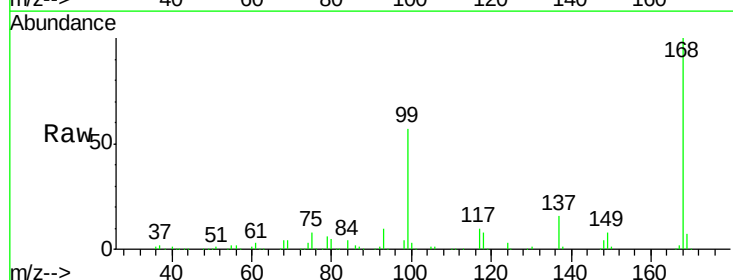
Tgt Ion: 75 Resp: 14664

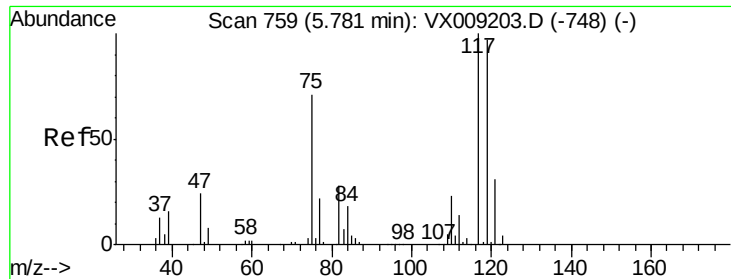
Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.0 24.8 37.2#

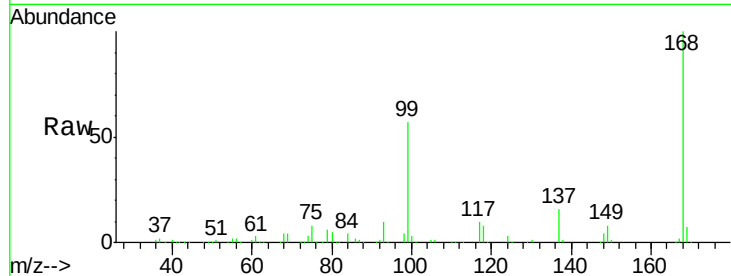




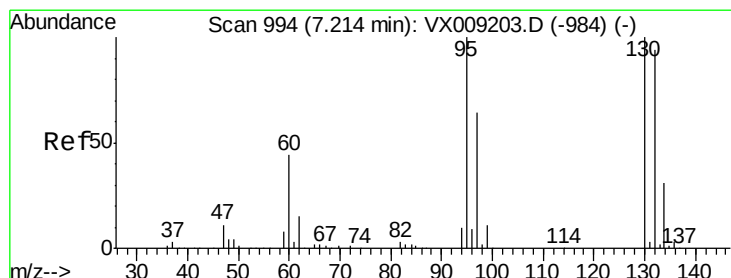
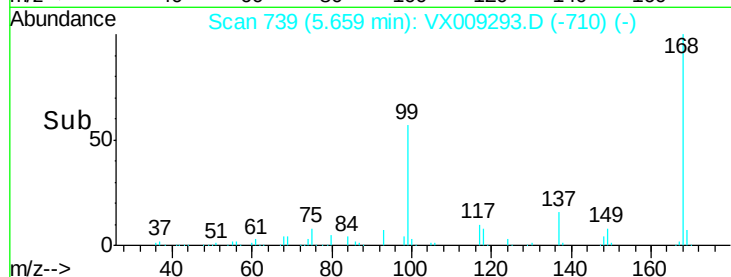
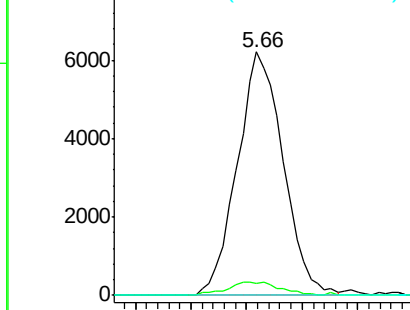
#38
Carbon Tetrachloride
Concen: 6.886 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009293.D
Acq: 02 May 2019 23:07

Instrument :
MSVOA_X
ClientSampleId :
DUP-0512-190429

Tot Ion:117 Resp: 17788
Ion Ratio Lower Upper
117 100
119 5.0 77.5 116.3#
121 0.0 24.7 37.1#

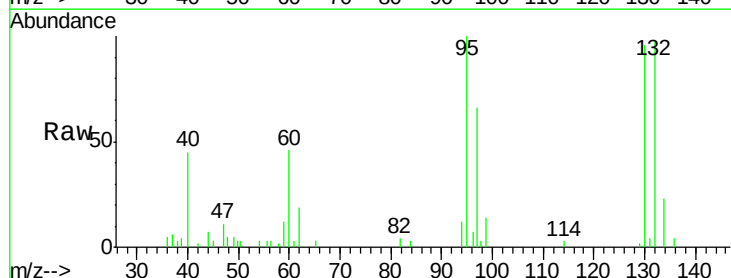


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

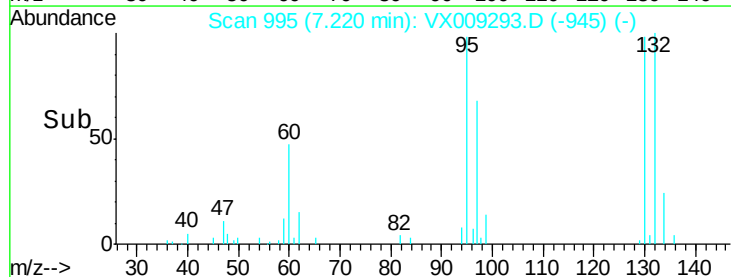
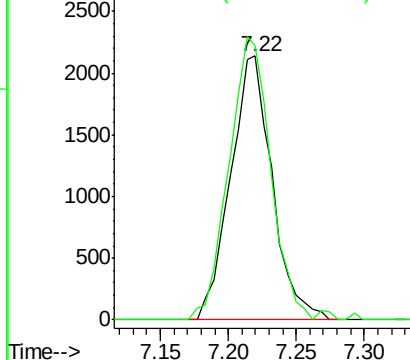


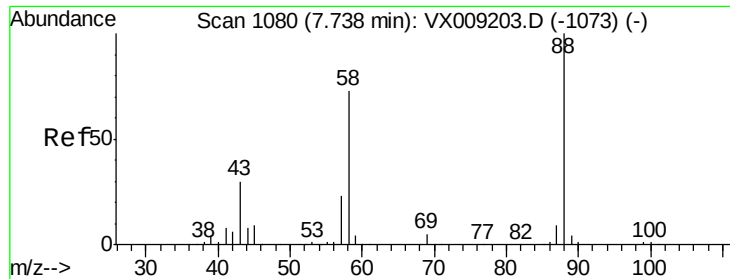
#44
Trichloroethene
Concen: 2.142 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX009293.D
Acq: 02 May 2019 23:07

Tgt Ion:130 Resp: 4556
Ion Ratio Lower Upper
130 100
95 103.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

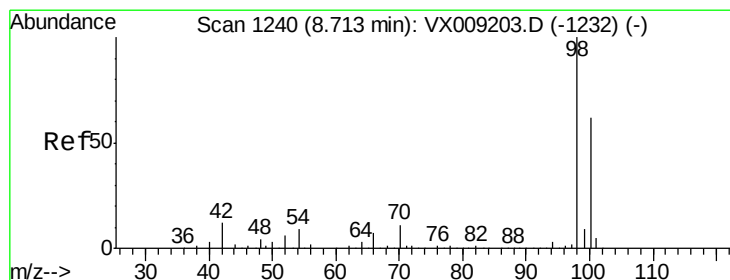
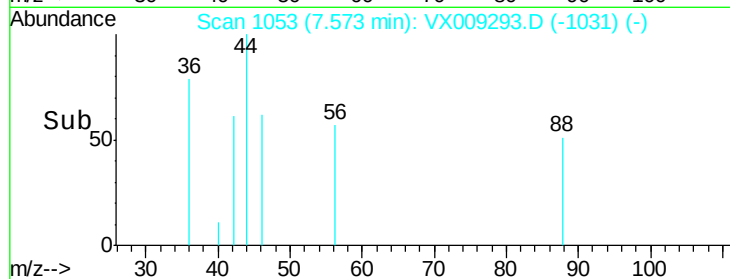
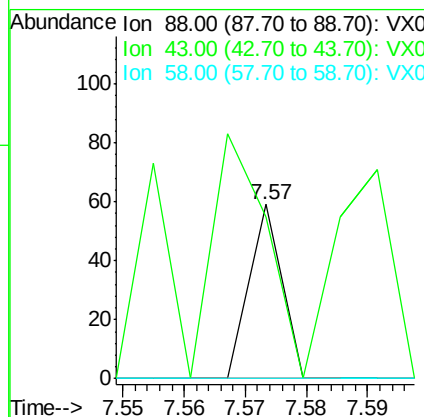
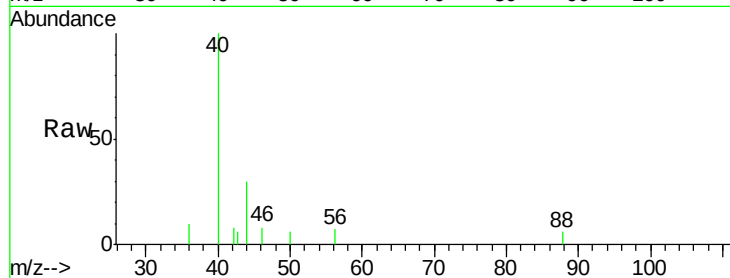




#49
 1,4-Dioxane
 Concen: 0.345 ug/l
 RT: 7.57 min Scan# 1053
 Delta R.T. -0.16 min
 Lab File: VX009293.D
 Acq: 02 May 2019 23:07

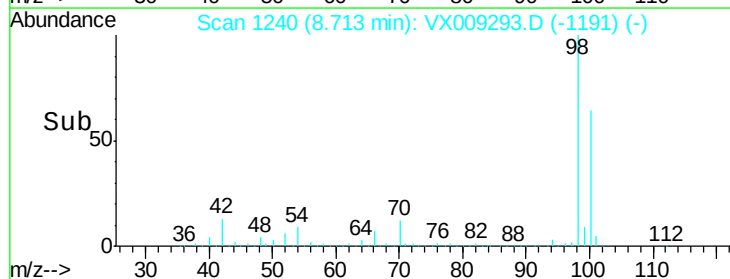
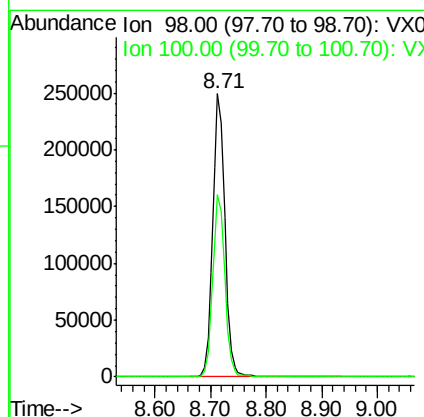
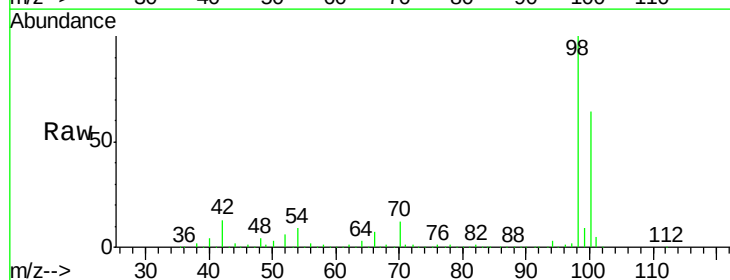
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0512-190429

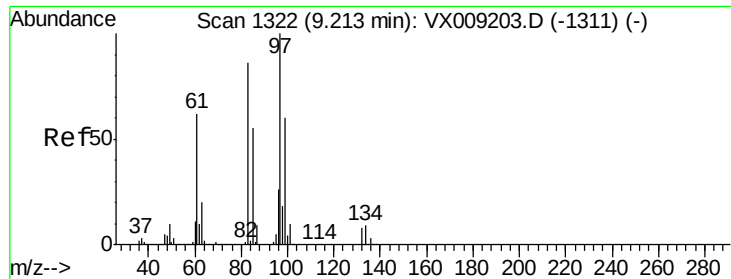
Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 350.0 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.367 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009293.D
 Acq: 02 May 2019 23:07

Tgt Ion: 98 Resp: 383318
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 0.592 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0512-190429

Tot Ion: 97 Resp: 1291

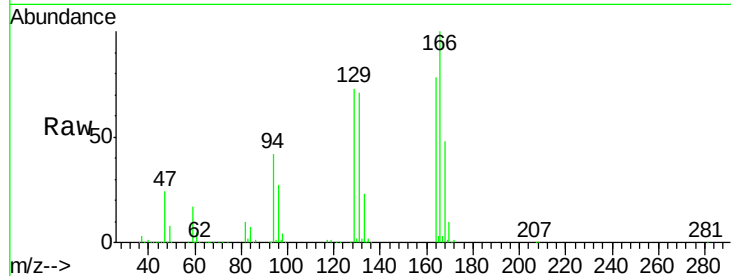
Ion Ratio Lower Upper

97 100

83 285.4 68.9 103.3#

85 38.7 43.8 65.6#

99 17.2 48.2 72.2#

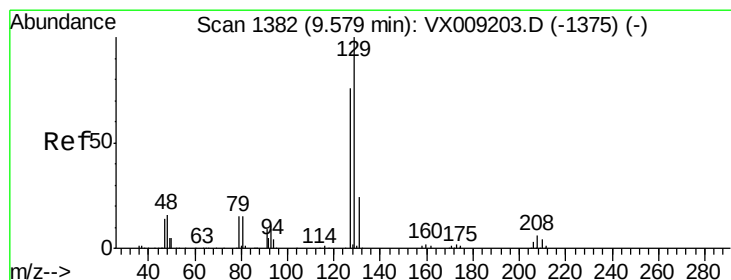
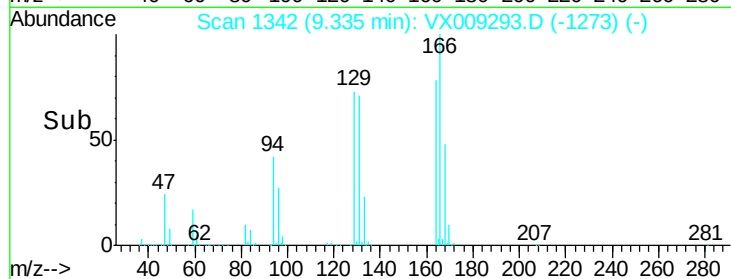
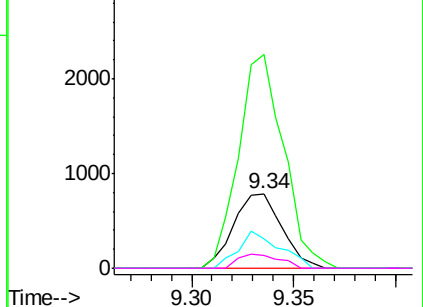


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 59.494 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009293.D

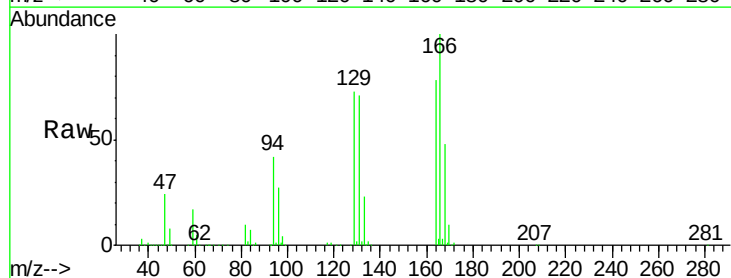
Acq: 02 May 2019 23:07

Tgt Ion: 129 Resp: 126797

Ion Ratio Lower Upper

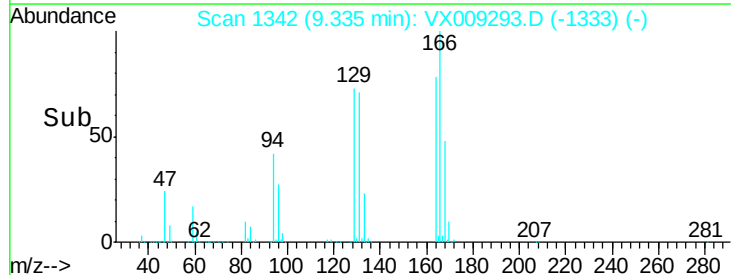
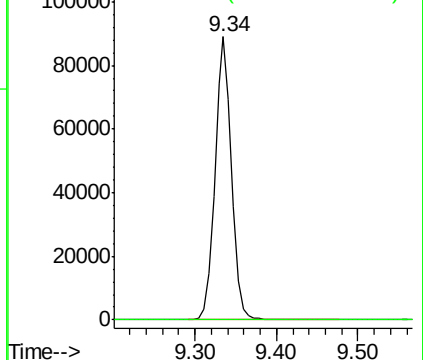
129 100

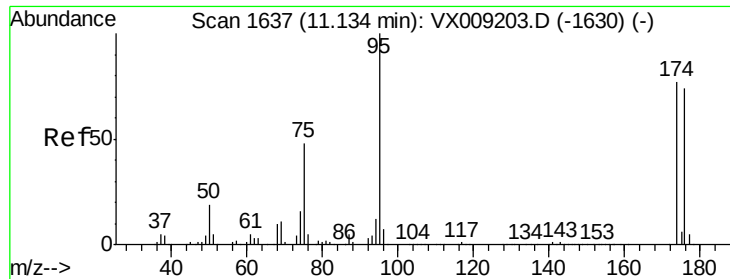
127 0.1 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.622 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0512-190429

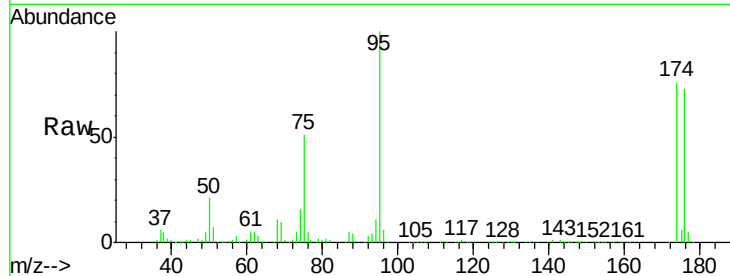
Tot Ion: 95 Resp: 128718

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

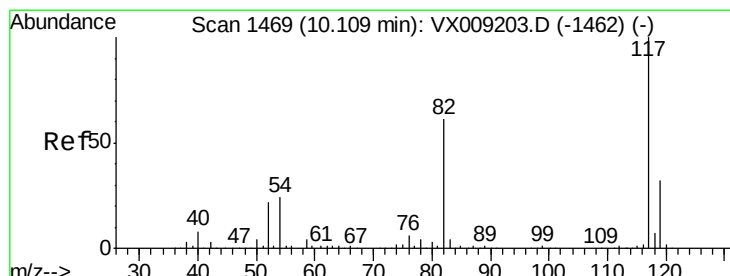
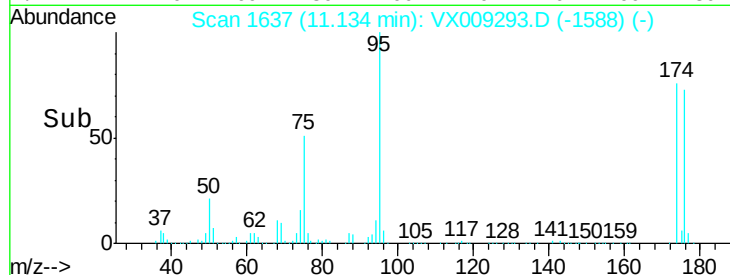
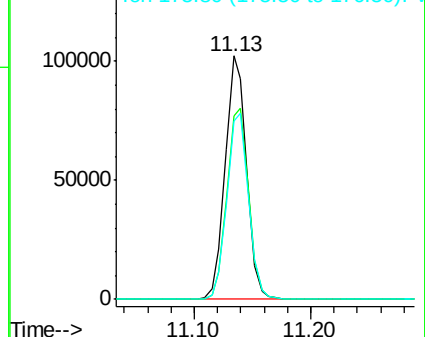
176 77.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009293.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009293.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009293.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

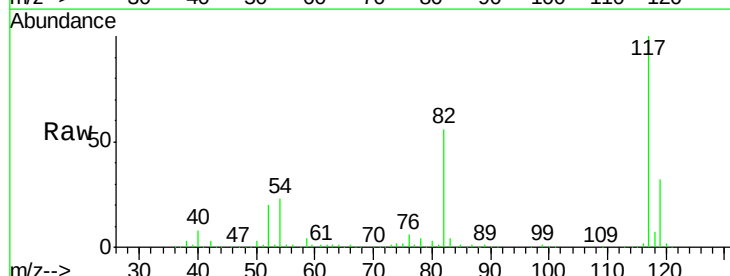
Tgt Ion: 117 Resp: 267250

Ion Ratio Lower Upper

117 100

82 56.4 48.8 73.2

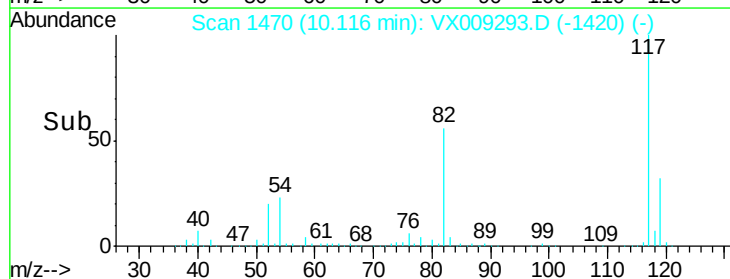
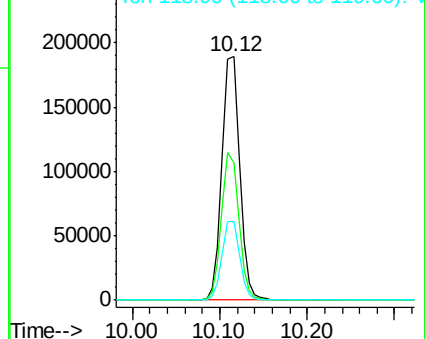
119 32.0 25.8 38.6

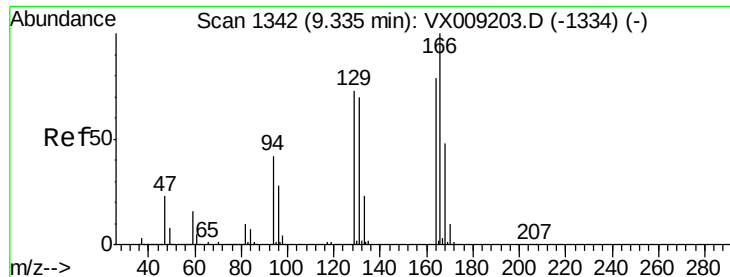


Abundance Ion 116.90 (116.60 to 117.60): VX009293.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009293.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009293.D (-1420) (-)





#64

Tetrachloroethene

Concen: 74.583 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0512-190429

Tot Ion:164 Resp: 136727

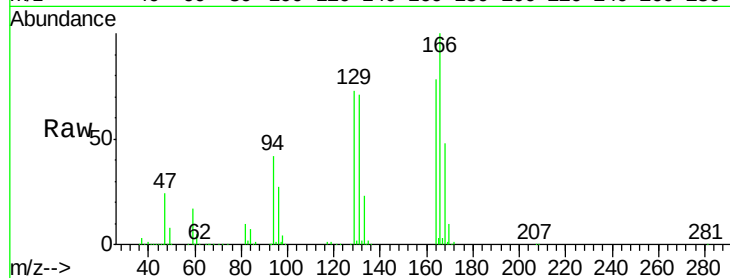
Ion Ratio Lower Upper

164 100

166 127.6 101.2 151.8

129 93.6 74.3 111.5

131 90.1 71.0 106.6

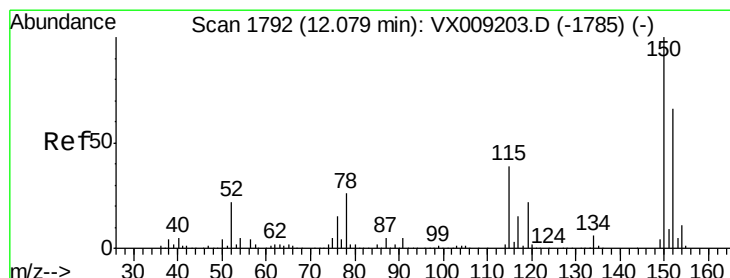
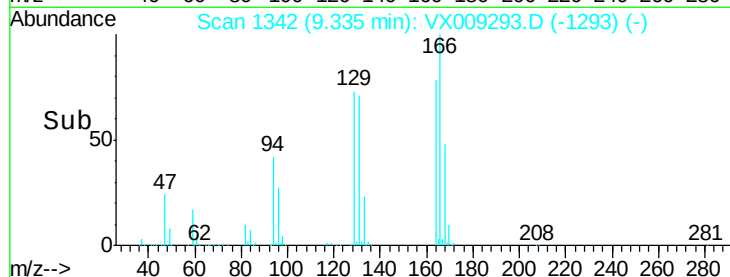
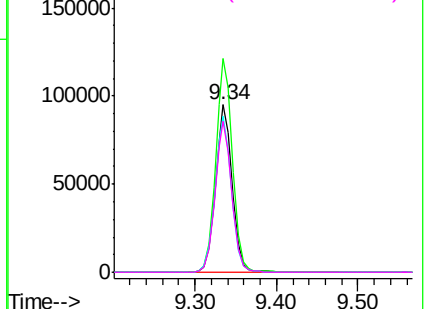


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009293.D

Acq: 02 May 2019 23:07

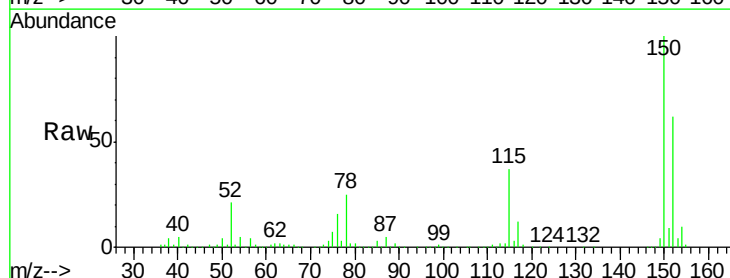
Tgt Ion:152 Resp: 115201

Ion Ratio Lower Upper

152 100

115 59.7 41.2 123.6

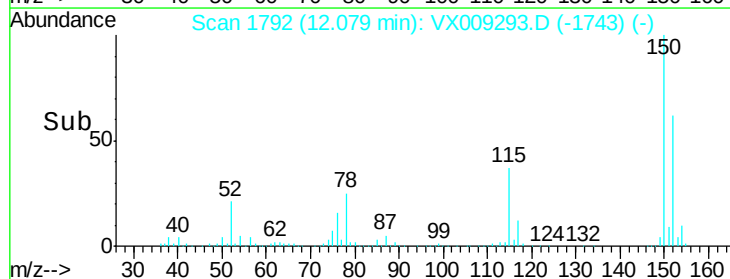
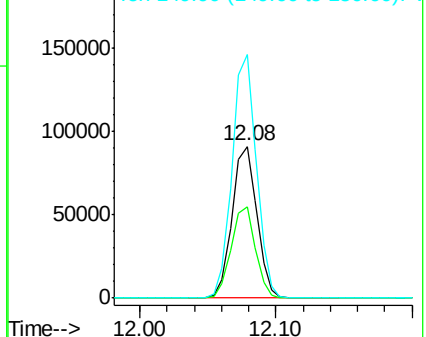
150 157.8 0.0 346.4

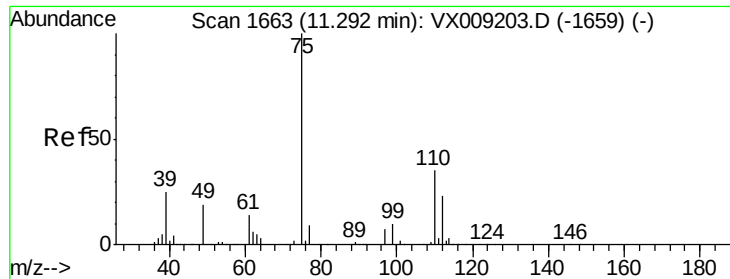


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

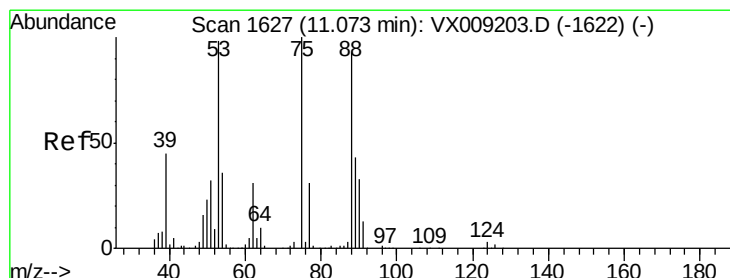
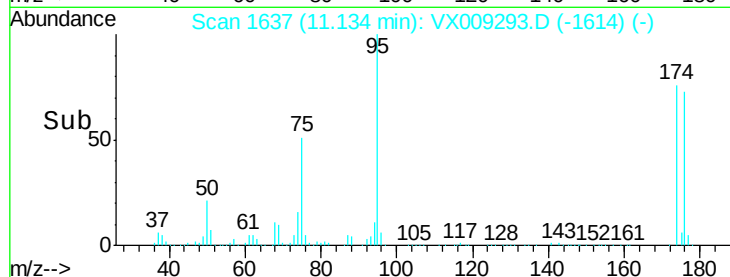
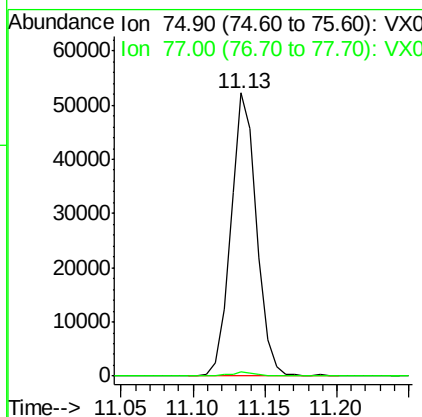
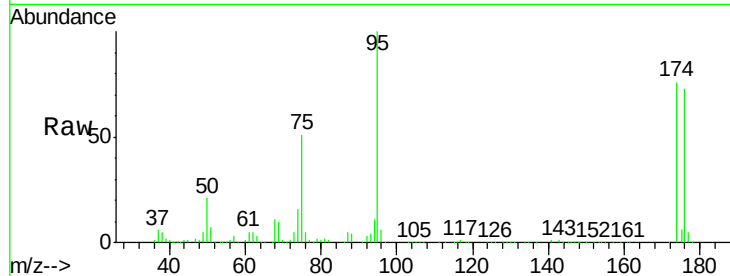




#76
 1,2,3-Trichloropropane
 Concen: 24.445 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009293.D
 Acq: 02 May 2019 23:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0512-190429

Tot Ion: 75 Resp: 65322
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.545 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009293.D
 Acq: 02 May 2019 23:07

Tgt Ion: 75 Resp: 65322
 Ion Ratio Lower Upper
 75 100
 53 0.4 79.0 118.6#
 89 0.0 34.7 52.1#

